Russia LandScan HD Data

LandScan High Definition (HD) Data for Russia

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High Resolution Population Estimates

LandScan HD for Russia was released in October 2020. LandScan High Definition (HD) provides gridded population estimates at 3 arc-second (~100m) resolution. Values for each LandScan HD cell represent an ambient (i.e. 24 hour average) population count estimate. In this way, the data capture the full potential activity space of people throughout the course of the day and night rather than just a residential location. The LandScan HD model incorporates current land use and infrastructure data from a variety of sources, applies facility occupancy estimates from ORNL's Population Density Tables (PDT) project, and leverages novel image processing algorithms developed at ORNL to rapidly map building structures and neighborhood areas using high-performance computing environments.

Please refer to the included metadata for more information about the sources used to develop LandScan HD for Russia. This download includes the LandScan HD raster data in both Esri GRID and TIFF formats. For ease of display, an ArcGIS layer file is

included with the GRID and a colormap text file is included with the TIFF.

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(http://landscan.ornl.gov/sites/default/files/2022-02/lsg2020_Russia2.png)

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